

SYLVANIA LIMITED WARRANTY

FUNAI CORP. will repair this SYLVANIA product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:

PARTS: FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Two (2) years for Picture Tube. Certain parts are excluded from this warranty.

LABOR: FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

LIMITS AND EXCLUSIONS:

This warranty is extended only to the original retail purchaser. A purchase receipt or other proof of original retail purchase will be required together with the product to obtain service under this warranty.

This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced, missing or if service was attempted by an unauthorized service center. This SYLVANIA Limited warranty does not apply to any the product not purchased and used in the United States.

This warranty only covers failures due to defects in material or workmanship which occurs during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or product not supplied by FUNAI CORP., or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS.

FUNAI CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAI. ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTATIVES IN THE UNITED STATES. ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY FUNAI AUTHORIZED SERVICE CENTER. THIS WARRANTY IS VALID WHEN THE UNIT IS CARRIED-IN TO FUNAI AUTHORIZED SERVICE FACILITY.

WHEN YOU ARE RETURNING THE PRODUCT FOR SERVICE TO THE FACTORY SERVICE CENTER, PLEASE CONTACT THE FUNAI SERVICE DEPARTMENT TO RECEIVE A R.A. (RETURN AUTHORIZATION) NUMBER PRIOR TO SHIPPING. ANY POSTAGE, INSURANCE AND SHIPPING COST, INCURRED IN PRESENTING OR SENDING YOUR SYLVANIA PRODUCT FOR SERVICE ARE SHIPPER'S RESPONSIBILITY.

CAREFULLY PACK WITH PROPER PACKING MATERIALS, PREFERABLY IN THE ORIGINAL CARTON, AND IF NEEDED DOUBLE BOX.

ATTACH WRITTEN DOCUMENTATION DETAILING THE COMPLAINT, TO THE OUTSIDE OR INSIDE OF THE CARTON.

THE PRODUCT MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL RETAIL PURCHASE RECEIPT. IF NO PROOF OF PURCHASE IS ATTACHED, THE WARRANTY WILL NOT BE HONORED AND REPAIRS COSTS WILL BE CHARGED.

IMPORTANT:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE, IF AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

ATTENTION:

FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

To locate your nearest SYLVANIA Authorized Service Center or general service procedure, please call 1-800-968-3429 or write to the following:

FUNAI CORPORATION
Factory Service Center
100 North Street; Teterboro, NJ 07608
Tel : 1-800-968-3429

Owner's Manual

SYLVANIA

13 INCH COLOR TELEVISION

4813LT

FEATURES

- **Tinted, Bright Black Matrix Picture Tube**
- **181 Channel Selection-** All VHF/UHF channels plus up to 125 cable channels.
- **PLL Frequency Synthesized Tuning-** The latest PLL frequency synthesized electronic tuning system provides free and easy channel selection, and lets you tune directly to any channel using the 10-key push buttons on the remote control.
- **On-Screen Function Display.**
- **Full-Function Remote Control**
- **Sleep Timer**
- **Closed Caption Decoder-** You may view specially labeled (cc) TV programs, movies, news, prerecorded tapes, etc. with either a dialogue caption or text display added to the program.
- **Auto Shut Off Function-** If there is no air signal input from the antenna terminal and no operation for 15 minutes, the TV will turn itself off automatically.

PRECAUTION

- Place your TV in a room with adequate ventilation.
- Keep your TV set away from sources of direct heat, such as heat registers or direct sunlight.
- Do not place your TV on soft surfaces, such as rugs or blankets.
- Leave enough room for air to circulate around the bottom, top and back of the set.

The serial number of this product may be found on the back of the TV. No others have the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft.

Date of Purchase		Dealer Phone No.	
Dealer Purchase from		Model No.	
Dealer Address		Serial No.	

This Owner's Manual is made of recycled paper.

IF YOU NEED ADDITIONAL ASSISTANCE FOR SET-UP OR OPERATING
AFTER READING OWNER'S MANUAL, PLEASE CALL TOLL FREE
1-800-968-3429.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.



THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

The important note is located on the rear of the cabinet.

IMPORTANT SAFEGUARDS

1. Read instructions-All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions-The safety and operating instructions should be retained for future reference.
3. Heed Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions-All operating and use instructions should be followed.
5. Cleaning-Unplug TV from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.

6. Attachments-Do not use attachments not recommended by the TV manufacturer as they may cause hazards.
7. Water and Moisture-Do not use this TV near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories-Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious injury to someone, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the TV.

PORTABLE CART WARNING



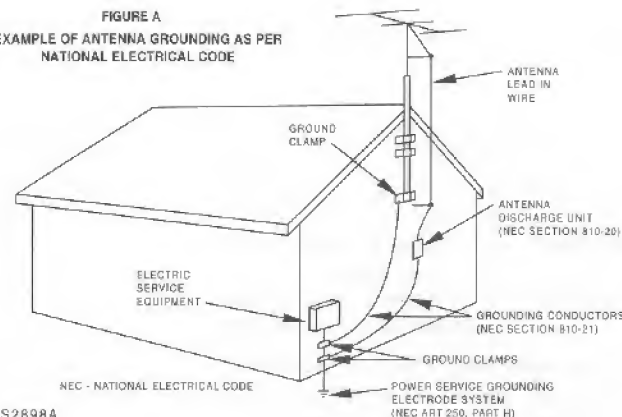
S3126A

Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended

by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

9. Ventilation-Slots and openings in the cabinet and the back or bottom are provided for ventilation and to ensure reliable operation of the TV and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the TV on a bed, sofa, rug, or other similar surface. This TV should never be placed near or over a radiator or heat register. This TV should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power Sources-This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For TVs intended to operate from battery power, or other sources, refer to the operating instructions.
11. Grounding or Polarization-This TV is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. Power-Cord Protection-Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

FIGURE A
EXAMPLE OF ANTENNA GROUNDING AS PER
NATIONAL ELECTRICAL CODE

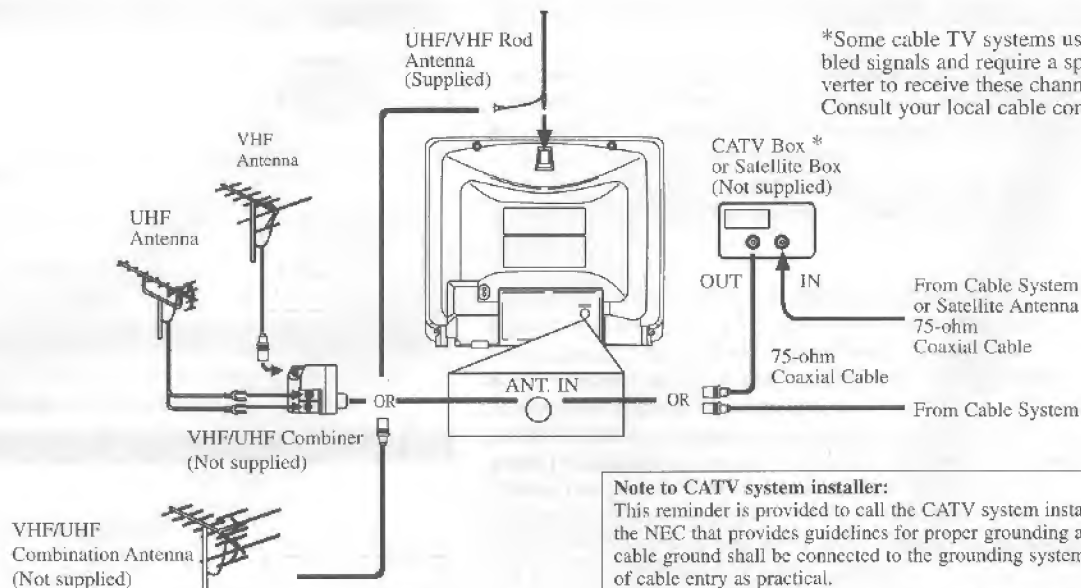
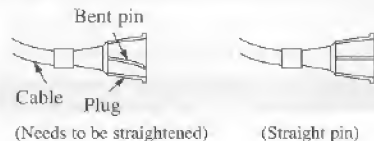


S2698A

13. Outdoor Antenna grounding-If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)
14. Lightning-For added protection for this TV receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning and power-line surges.
15. Power Lines-An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
16. Overloading-Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
17. Object and Liquid Entry-Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the TV.
18. Servicing-Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. Damage Requiring Service-Unplug this TV from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power supply cord or plug is damaged or frayed.
 - b. If liquid has been spilled, or objects have fallen into the TV.
 - c. If the TV has been exposed to rain or water.
 - d. If the TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV to its normal operation.
 - e. If the TV has been dropped or damaged in any way.
 - f. When the TV exhibits a distinct change in performance-this indicates a need for service.
20. Replacement Parts-When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.
21. Safety Check-Upon completion of any service or repairs to this TV, ask the service technician to perform routine safety checks to determine that the TV is in proper operating condition.
22. Heat-This TV product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

ANTENNA/CABLE CONNECTIONS

Before plugging the UHF/VHF Rod Antenna into the ANT(enna). IN jack, check that the pin is not bent. If it is bent, straighten the pin as illustrated, then plug the pin into the ANT(enna). IN jack.



*Some cable TV systems use scrambled signals and require a special converter to receive these channels. Consult your local cable company.

FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

CLOSED CAPTION

This TV can receive C1 and C2 of Caption and Text.

Caption Mode

- (1) Characters can be displayed on the TV screen when the received broadcast signal contains the Caption Signals.
 - (2) **Paint-on mode:** Displays input characters on the screen immediately.
Pop-on mode: Once characters are stored in memory, it is displayed all at once.
Roll-up mode: Displays the characters continuously by scrolling (max. 4 lines)
- Note:** If the CAPTION C1 or C2 is selected but the caption signal is not included, characters will not be displayed.

Text Mode

- (1) Displays the text on the screen by scrolling (max. 7 lines)
- (2) If the received broadcast signal does not contain the caption or text signal, no change will occur.

Notes:

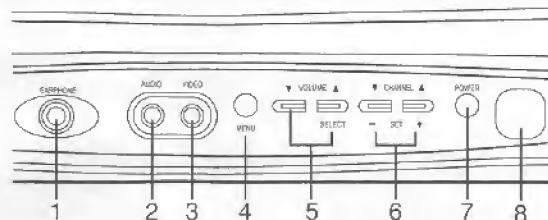
- (1) When your TV receives a special effects playback signal (i.e., Search, Slow, Still) from a VCR's video output channel (CH3 or CH4), your TV may not display the correct caption or text.
- (2) Captions and texts may not match the TV voice exactly.
- (3) Interference may cause the closed caption system not to function properly.
- (4) The caption or text characters will not be displayed while the menu display or function's display is shown.
- (5) **If you see this screen!!**



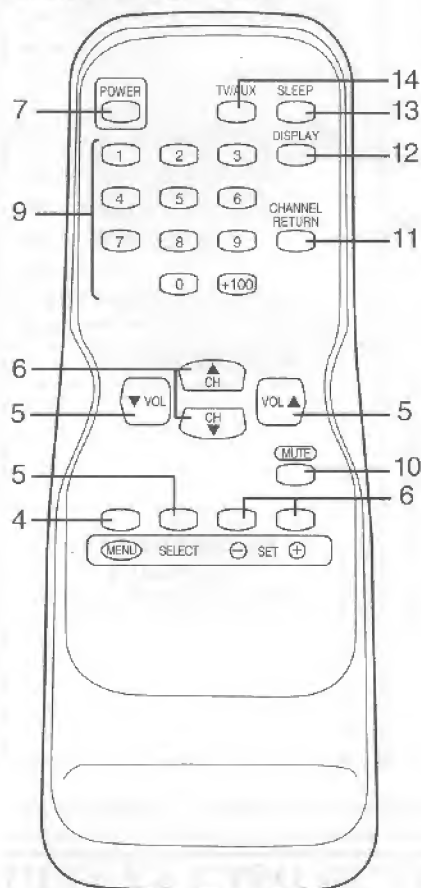
If your TV displays a black box on the screen, this means that your TV is set to TEXT mode. To clear screen, select CAPTION C1, C2 or CAPTION [OFF].

OPERATING CONTROLS AND FUNCTIONS

- FRONT PANEL -

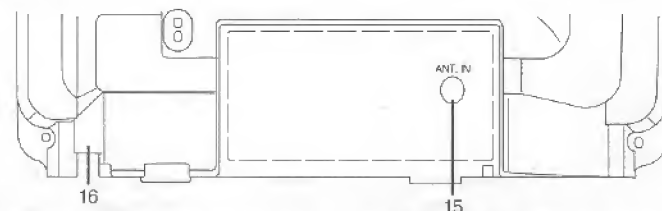


- REMOTE CONTROL -



1. **EARPHONE jack**- To connect earphone (not supplied) for personal listening.
2. **AUDIO (in) jack**- Connect to the audio output jack of a video camera or VCR.
3. **VIDEO (in) jack**- Connect to the video output jack of a video camera or VCR.
4. **MENU button**- Press to display the menu on the TV screen. (See "PICTURE ADJUSTMENT", "CHANNEL PRESETTING" and "CLOSED CAPTION SELECTION".)
5. **VOLUME Down button**- Press to control the volume level.
VOLUME Up button- Press to control the volume level. (only on the main unit)
SELECT button- Press to display picture control menu on the TV screen. (See "PICTURE ADJUSTMENT".) Press to add desired channel, and to erase memorized channel. (See "CHANNEL PRESETTING".)
6. **CHANNEL Up/Down buttons**- Press to select memorized channel. (only on the main unit)
 When you press these buttons before setting AUTO MEMO, the TV scans to the next available channel. If the TV is not receiving a signal, the TV will continue to scan channels until you press the MENU button to exit. In this case, check antenna connections.
SET +/- buttons- Press to adjust the menu or picture control. (See "PICTURE ADJUSTMENT".)

- REAR PANEL -



7. **POWER button**- Press to turn the TV ON and OFF.
8. **Infrared Sensor Window**- Receives the infrared control signals from the remote control unit.
9. **CHANNEL NUMBER button**- Press two digits to directly access the desired channel. Remember to press a "0" before a single digit channel.
+100 button- Press to select cable channels which are equal or greater than number 100.
10. **MUTE button**- Press the MUTE button to turn off the sound portion of the TV program. (Volume level display turns LIGHT RED from LIGHT BLUE.) Press the MUTE button again or press the VOL(ume) Up or Down button to restore sound.
11. **CHANNEL RETURN button**- Press this button to go back to the previously viewed channel. For example, pressing the CHANNEL RETURN button once will change channel display from CH 3 (present channel) to CH 10 (previously viewed channel), and pressing it a second time will return from CH 10 to CH 3.
12. **DISPLAY button**- Press to display the channel number on the screen. If you press it again, the channel number will disappear.
13. **SLEEP button**- Press the SLEEP button to display the sleep timer and start the function. The shut off time can be determined by the number of times you press the button. (0, 10, 20, 30,...90, 0 minutes)

14. **TV/AUX button**- Press to select TV or external mode.
15. **ANT(enna). IN jack**- Connect to an antenna, cable system, or satellite system.
16. **AC cord**- Connect to a standard AC outlet (120V/60Hz).

INSTALLING THE BATTERIES

1. Slide the battery compartment cover on the remote unit.
2. Insert 2 "AA" penlight batteries into battery compartment in the direction as indicated by the polarity (+ / -) markings. Batteries installed with incorrect polarity may damage the remote unit.
3. Replace the cover.



PREPARATION FOR USE

LANGUAGE SELECTION

If you want to change the language of the on-screen menu, follow the procedure below.

1

Connect the power cord to a standard AC outlet.

2

Press the POWER button to turn on the TV.

3

Press the MENU button so that the menu display appears on the TV screen.

4

Press the MENU button to point to "[ENGLISH]".

5

Select "ENGLISH" or "ESPAÑOL" = Spanish by using the SELECT button.

6

Press the MENU button once or repeatedly to exit the menu.

▶ PICTURE
CHANNEL SET
CAPTION [OFF]
[ENGLISH]ESPAÑOL

PICTURE
CHANNEL SET
CAPTION [OFF]
▶ [ENGLISH]ESPAÑOL

4

[AUTO MEMO FUNCTION]

Press the MENU button to point to "AUTO MEMO". Then, press the SELECT button.

The tuner scans and memorizes all active channels in your area.

- The TV distinguishes between standard TV channels and cable channels.
- When AUTO MEMO action is completed, the lowest memorized channel reappears on the screen.

▶ ADD/DELETE
AUTO MEMO

5

[ADD/DELETE FUNCTION]

Press the MENU button repeatedly until "CHANNEL SET" is pointed at, then press the SELECT button so that "CHANNEL SET" is selected.

Press the SELECT button so that "ADD/DELETE" is selected.

Use the CH(annel) Up or Down button to select the channel you wish to put into memory or to erase from memory.

Note: The display will return to the screen in about 10 seconds. Perform "ADD/DELETE" function while this display appears on the screen.

- Press the SELECT button to light up the channel number in LIGHT BLUE if you wish to add the channel into memory.
- Press the SELECT button to light up the channel number in LIGHT RED if you wish to erase the channel from memory.

▶ ADD/DELETE
AUTO MEMO

CHANNEL PRESETTING

To preset a channel or to change a preset channel, follow the procedure below.

1

Press the POWER button to turn on the TV.

2

Press the MENU button so that the menu display appears on the TV screen.

3

Press the MENU button to point to "CHANNEL SET". Then, press the SELECT button.

▶ PICTURE
CHANNEL SET
CAPTION [OFF]
[ENGLISH]ESPAÑOL

PICTURE
▶ CHANNEL SET
CAPTION [OFF]
[ENGLISH]ESPAÑOL

Notes:

- When you press the CH(annel) Up or Down button before selecting AUTO MEMO, the tuner will stop at the 1st available channel. (SEARCH MODE)
- When you press the CH(annel) Up or Down button after selecting AUTO MEMO, the tuner will stop at the memorized channels only. (SKIP MODE)

6

Press the MENU button once or repeatedly to exit the menu.

TROUBLESHOOTING GUIDE

Sometimes a performance problem can be easily solved by checking seemingly apparent but often overlooked possibilities. Before arranging for service, check these items. It could save your time and money.

QUICK SERVICE CHECK LIST	PROBLEM												
	Remote Control Doesn't Work	Bars On Screen	Picture Distorted	Picture Rolls Vertically	No Color	Poor Reception on Some Channels	Weak Picture	Lines or Streaks in Picture	Ghosts in picture	Picture Blurred	Sound OK, Picture Poor	Picture OK, Sound Poor	No Picture or Sound
POSSIBLE REMEDY													
Try a new channel, if OK, then possible station trouble.			×	×	×	×	×	×	×	×	×	×	×
Is TV plugged in? Power at outlet?	×												×
Is TV's POWER button on?													×
Is antenna connected to terminal on the back of the set?					×	×	×		×		×		×
If outside antenna is being used, check for broken wire.		×	×	×	×	×	×	×	×	×	×		×
Check for local interference.		×		×		×		×	×		×	×	
Turn off with POWER button and then turn it on after about a minute.													×
Adjust COLOR control.					×								
Adjust CONTRAST & BRIGHT control.							×				×		
Check batteries in Remote Control.	×												

Closed Caption Problem	Possible Remedy
My TV is showing captions that are misspelled.	You are watching a live broadcast and spelling errors made by the closed captioning production company may pass through uncorrected. A prerecorded program will not show any misspelled words because of the normal time available for editing the captions.
My TV will not show the text in its entirety or there is a delay of what is being said.	Captions that are delayed a few seconds behind the actual dialogue are common for live broadcasts. Most captioning production companies can display a dialogue to a maximum of 220 words per minute. If a dialogue exceeds that rate, selective editing is used to insure that the captions remain up-to-date with the current TV screen dialogue.
My captions are scrambled with white boxes on the TV screen.	Interference caused by building, power lines, thunderstorms, etc. may cause scrambled or incomplete captions to appear.
My program guide listed a TV show as being closed captioned but none of the captions were displayed.	Broadcasters may at times use a time compression process to the actual program so that additional advertising time can be given. Since the decoder cannot read the compressed information, captions will be lost.
My prerecorded videotape does not show any captions. The tape box mentions it being closed captioned.	The videotape was either an illegal copying or the tape duplicating company accidentally left out the captioning signals during the copying process.
My TV screen shows a black box on certain channels.	You are in the TEXT mode. Select CAPTION mode or CAPTION [OFF].

OPERATIONS

WATCHING A TV PROGRAM

1

Press the POWER button to turn on the TV.

2

Select the desired channel with the CH(annel) Up or Down button.

3

Adjust the volume to the desired listening level using the VOL(ume) Up or Down button.

4

Adjust picture controls for a natural looking image. (See "PICTURE ADJUSTMENT".)

SETTING THE SLEEP TIMER

The sleep timer function enables you to shut off the power without pressing the POWER button after a desired time period.

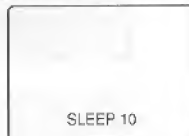
1

Press the POWER button to turn on the TV and press the SLEEP button on the remote control.

2

You may change the sleep time with pressing the SLEEP button on the remote control repeatedly. The timer is set up to 90 minutes, 10 minutes each time the SLEEP button is pushed. (The timer display counts up and sleep timer will be displayed on the screen when you press the SLEEP button on remote control.)

Note: When you disconnect the unit from the AC outlet, or if you have a power failure, the sleep time will be lost.



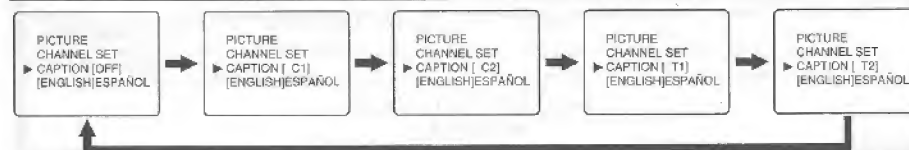
To cancel the sleep timer:

Press the SLEEP button repeatedly until "SLEEP 0" is displayed.

CLOSED CAPTION SELECTION

You may view specially labeled (cc) TV programs, movies, news, prerecorded tapes, etc. with either a dialogue caption or text display added to the program.

➡ : Press the SELECT button.



- 1) Press the MENU button repeatedly so that "CAPTION" is selected on the screen.
- 2) Press the SELECT button to select the mode you wish.
- 3) When done, press the MENU button repeatedly to exit the menu.

PICTURE ADJUSTMENT

Press the MENU button so that the menu display appears on the TV screen. Press the SELECT button. Select the feature you wish to adjust with the SELECT button and adjust it with the SET + or - button.

1

GAME MODE

Set to the most suitable position for TV GAME.

- [+] : ON
- [-] : OFF

2

BRIGHT

Adjust until the whitest parts of the picture are as bright as you prefer.

- [+] : increase brightness
- [-] : decrease brightness

3

CONTRAST

Adjust to increase or decrease contrast.

- [+] : increase contrast
- [-] : decrease contrast

4

COLOR

Adjust to be brilliant or pale color.

- [+] : be brilliant color
- [-] : be pale color

5

TINT

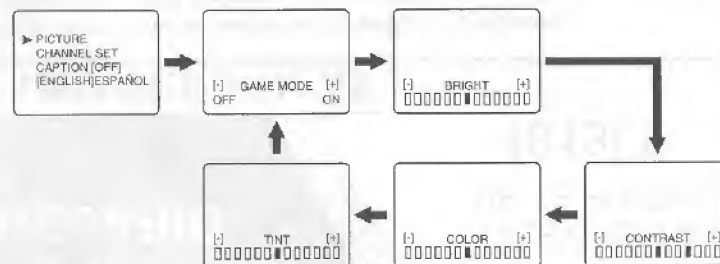
Adjust to obtain natural skin tones.

- [+] : greenish tone
- [-] : reddish tone

Note:

In the above steps, the display will disappear from the TV screen after a few seconds unless you press the SET + or -, or the SELECT button, even though you may not be finished. Press the MENU and the SELECT button repeatedly until the display returns to the screen.

➡ : Press the SELECT button.



MAINTENANCE

CABINET CLEANING

- Wipe the front panel and other exterior surfaces of the TV with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

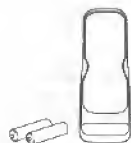
PICTURE TUBE CLEANING

Wipe the picture tube of the TV with a soft cloth. Before cleaning the picture tube, disconnect the power cord.

SUPPLIED ACCESSORIES

Remote control unit
(N0233UD)

Batteries ("AA" x 2)



Rod Antenna
(0EMN00673)



SPECIFICATIONS

GENERAL SPECIFICATIONS

Television system:	NTSC-M TV Standard
Closed Caption System:	§15.119/FCC
Channel coverage	VHF: 2 ~ 13 UHF: 14 ~ 69 CATV: 2 ~ 13, A ~ W, W+1 ~ W+84, A-5 ~ A-1, 5A
Tuning System:	181 channel frequency synthesized tuning system
Channel access:	Direct access keyboard, programmable scan and up/down
Terminals	
Antenna input:	VHF/UHF/CATV 75 ohm unbalanced (F-type)
Video input:	RCA connector x 1
Audio input:	RCA connector x 1
Earphone:	1/8" monaural (3.5mm)

ELECTRICAL SPECIFICATIONS

Sound output:	1W, 8 ohm
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OTHER SPECIFICATIONS

Remote control:	Digital encoded infrared light system
Operating temperature:	5°C to 40°C (41°F~104°F)
Power requirements:	AC120V, 60Hz
Power consumption (Maximum):	60W
Picture tube:	13"
Dimensions:	H: 12-3/4"(324mm) W: 14-1/8"(358mm) D: 14-1/8"(357mm)
Weight:	19 lbs. (8.5kg)
Accessories:	: Remote Control unit with 2"AA"batteries : Owner's Manual : Rod Antenna

•Designs and specifications are subject to change without notice and without our legal obligation.